

The Resolvents of the Basic Problems of
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Vol 82, No 4, pp 545-548.
NLL 9022.55 1964 (46) (On Loan)

Aug 65

287,007

On the Relation Between Breakdown Strength and
Charge Mobility in a Dielectric, by E. K.
~~XXXX~~ Zavadovskaya, 5 pp.

Full translation.

RUSSIAN, Dok Ak Nauk SSSR, 1952, Vol 82, No 4,
pp 565-566.

Sci Mus Lib No 52/3279

Scientific - Electricity

27 December 1952

Relation of the Electric Conductivity of Quartz
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and the Magnetic Field, by P. E. Sarzhevskiy,
12 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXII, No 4,
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8
SLA Tr R-882

Sci - Electricity, Physics 52, 274

Sep 57

Photoluminescence of Sublimate Phosphor of Silver
Iodide, by E. V. Shalimova, N. S. Mendakov, 10 pp.

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LXXII, No 4, 1952, pp 575-578.

CIA/PID/X-1377

PHYSICS

Scientific - Chemistry
CTB/DEX

OTS 77-62-23159 (RUSSIAN to FRANCE) 12 723

Re The Infrared Emission of the Night Sky and the
Aurora, by B. A. Egaritskiy, V. I. Krasovskiy,
M. I. Mordukhovich, 3 pp, UNCLASSIFIED

RUSSIAN, thrice-mo per. Dok Ak Nauk, SSSR, Vol LXXXII,
No 4, 1952, pp 579-580

CIA/FDD/X1351
Def Sci Info Ser
T 121 R

Scientific - Astronomy

CIA 2311729

10,995

Sci Proc 54/1312

Korshak, V. V., Chelnokova, G. N. and Distler, G. I.
DE L'IMPORTANCE DES RÉACTIONS D'ÉCHANGE
DANS LA POLYCONDENSATION (Role of Exchange
Reaction in the Polycondensation Process). Sp. 5 refs.
CNRS-VIII bis 275.

Order from OTS, ETC or CNRS \$1.10 TT-62-26717

Trans. in French of Akademiya Nauk SSSR, Doklady,
1952, v. 82, no. 4, p. 589-591.

Another trans. is available in English from OTS,
SLA or ETC as TT-63-18667 [1963] 6p.

DESCRIPTORS: Exchange reactions, *Condensation
reactions, Polymers, Carbon compounds, *X-ray
diffraction analysis.

(Chemistry--Organic, TT, v. 11, no. 11)

TT- 62-26717

- I. Korshak, V. V.
- II. Chelnokova, G. N.
- III. Distler, G. I.
- IV. CNRS-VIII bis 275
- V. Centre National de la
Recherche Scientifique,
Paris

E

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Ideal Type of Diagram of the Crystallization of Double-
Component Peritectic Solid Solution, by V. M. Kravchenko.
Full translation.

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pp 597-600.

AEC Tr 1422

USSR

Scientific - Chemistry, crystallization, peritectic

Nov 52 CTS/DEX

Reaction Between Ammonia and Oleic Acid
Oxide, by G. V. Pigulevskiy and I. L.
Kuranova.

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NLL RTS 2656 (On Loan or Purchase)

OTS 17-4-23517

Aug 65

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Effect of the Intramolecular Hydrogen Bond on the
Color of Indocaniline Dyes of α -Naphthol Derivatives,
by B. S. Portnaya, I. I. Levkoyev, N. S. Spasokukotsky,
4 pp.

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SLA R-2319
60,693

Sci - Phys
Mar 58

Effect of Ultrasonic Waves on Purine and Pyrimidine
Bases, by I. E. Elpiner, Ts. B. Kats, 7 pp.

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LXXXII, No 4, Feb 1952, pp 611-614.

USDA

Scientific - Medicine, cancer research, chemistry

Oct 53 CTS

4886

Biosynthesis of Anserine, by N. A. Yudaev.

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pp 615-617.

Nova Scotia No 213

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Scientific - Medicine, biochemistry

Aug 53 CTS

4794

On the Question of Determination of the Origin
of Beryl, by M. D. Dorfman, 5 pp.

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Vol LXXXII, No 4, 1952, pp 623-624.

SLA R-1212

May 58

63,907

Some Results On the Maximum Discrepancy Between
Two Empirical Distributions, by B. V. Gnedenko, 6 pp.

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No 5, 1952, pp 661-663.

Sci Tr Center HT-339

Scientific - Mathematics

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On the Depth of Secondary Electron Emission, by
N. M. Vodynskiy, 7 pp. UNCLASSIFIED

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RT-4050

Air Res and Dev Command
Baltimore, Md.

T-261-RU

Scientific - Physics

Jun 54 CTS/DEX

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Duration of the Excited State of Some Phosphors, by
K. V. Shalimova, T. P. Belikova, 7 pp.

Full translation.

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NLL 10070
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Scientific - Physics

CTS/DEX

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Change of Fluorescence Spectrum of Magnesium
Phthalocyanin and Chlorophyll as a Result of a
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SLA R-1258

May 58

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A New Method of Investigating the Ion Spectrum in
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Air Res and Dev Command
T-61 R-U +

Scientific - Geophysics

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Crystal Structure of the Higher Oxides of
Metals of Group I of the Periodic System, by
G. S. Zhdanov, Z. V. Zvonkova, 7 pp.
RUSSIAN, per, Dokl Akad Nauk SSSR, Vol 82,
1952, pp 743-746.
AEC ORNL tr-895

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Sci - Materials

On the Determination of the Surface Tension of
Substances at the Fusion Point, by Y. I. Smirnova,
et al.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
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Coop Trans Scheme Tr 226
L1.12a.

Sci - Physics

Jul 1956

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Directed Valences for Coordination Numbers 6 and 8,
by M. G. Shirmazan, M. E. Dyatkina, 3 pp.

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No 5, 1952, pp 755, 756.

36,083
Sci Tr Center
RT-3740

Scientific - Mathematics

Jun 56/dex

New Data on the Deposition of Crystalline
Substance on the Walls of a Liquid Inclusion,
by G. G. Lemmlein & M. O. Kliya.
RUSSIAN, per, Dok. Akad Nauk SSSR, No 82, 1952,
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AEC-WAPD-Trans-80

P911043268

Sci/Ear Sci
Apr 68

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Formation of Active Reducing Compounds Surviving
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Krasnovski, L. M. Kosobutskaya, 9 pp.
UNCLASSIFIED

Full translation. RT-2093

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXXII, 1952, pp 761-764.

AEC Tr 2034

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Scientific - Chemistry Jun 53 CTS/DEX

New Data on the Deposition of Crystal Substance
on the Walls of Cavities of Liquid Inclusions,
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SIA R-1203

May 58

63,925

178/60

(SF-1047)

The Abrasion Index of Rubber and Its Connectio
With the Coefficient of Friction, by S. B. Rat
6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVII, N
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JPRS 4051

Sci - Chem
Oct 60

128,430

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Action of Fertilizer on the Photosynthetic Activity
of Phytoplankton in a Water Reservoir, by S. S.
Baslavskaya, O. I. Koblenz-Mishke, L. A. Udalova,
E. A. Chistyakova, 6 pp. UNCLASSIFIED.

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CIA/FDD/X-1466

Scientific - Biology

13,653

On the Empirical Distribution Function in the Case of
Grouping of the Data, ~~Exppx~~ by I. I. Gikhman, 8 pp.

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Sci Tr Center RT-338

Scientific - Mathematics

10,123

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B. V. Gnedenko, V. S. Mikhalevich, 6 pp.

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Sci Tr Center RT-337

Scientific - Mathematics

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Heat Conduction in a Non-Uniform Rod, by A. B. Datsev, 8 pp.

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Sci Trans Center
RT-1759

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Scientific - Physics

Dec 54 CTS/DEK

Concerning the Origin of Heavy Fragments of High
Energy Upon the Disintegration of Nuclei by
Cosmic Rays, by V. I. Veksler, 2 pp. UNCLASSIFIED

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AEC/UCRL-Tr 179

Scientific - Nuclear Physics

17,822

On the Thermal and Thermoelectric Properties of
Ferromagnetic Metals, ~~supp~~ by A. I. Rezanov, 4 pp.

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1952, pp 885-887. 9678374

Navy Tr 3221/NEL 907
OTS TT-62-11752

Sci - Min/Metals

Sep 62

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1.1.5.200

An Isomorphic Series of Double Oxides A_2BO_5 With a Structure of the Anosovite Type, by G. S. Zhdanov, A. A. Rusakov, 6 pp.

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Sci - Chemistry, physics

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The Humic Acid of Estuarine Mud and Its Biological Activity, by V. A. Biber, N. S. Bogolyubova.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXII, No 6, 1952, pp 939-942. (46.08)

CTS No 16

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fr. (45.04.)

Scientific - Biology

2700

Jun 53 CTS

(Cooperative Translation Scheme)

Investigation of Protein Surface Films Absorbing
Hydrophobic Substances, by G. A. Deborin, L. B.
Gorbacheva, 7 pp.

Full translation.

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No 6, 1952, pp 943-946.

CIA/FDD/X-926

NLL M. 5860

Scientific - Chemistry Aug 53 CTS/DEK

4571

Preparations of Physocerythrin From Red Algae and Its
Spectroscopic and Photochemical Properties, by
A. A. Krasnovskiy, et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIII, No 6,
1952, pp 947-950.

Natl Res Lib^{SD} TT-584
Sci Tr Center
RT - 3717

Sci - Chemistry

Aug 1956

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Correlation of Lower Permian Deposits by Chemical
Elements as Determined by Spectroscopic Analysis,
by S. M. Katchenkov.

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Assoc Tech Sv RJ-737

\$5.95

Sci - Chemistry
Aug 57

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A New Type of a Gas Thermometer and the Determination
of the Boiling Point of Hydrogen, by A. A.
Borovik-Romanov, P. G. Strelkov, 6 pp.

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AEC Tr 3233

Sci - Physics
Jun 58

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Zeldovich, Ya.
POLARISATION DES QUANTA γ LORS DE LA DISPERSION DE COMPTON DE 180° (On the Polarization of Gamma Quanta in Compton Scattering at 180°). 8p.
6 refs. CNRS-X 228.
Order from OTS, ETC or CNRS \$0.80 TT-62-28118

Trans. in French of Akademiya Nauk SSSR, Doklady, 1952, v. 83, no. 1, p. 63-66.

DESCRIPTORS: *Quantum mechanics, Energy, Polarization, *Electrons, Theory, *Spin, Compton scattering, Gamma rays.

(Physics--Theoretical, TT, v. 11, no. 6)

TT-62-28118

I. Zeldovich, Ya.
II. CNRS-X 228
III. Centre National de la Recherche Scientifique, Paris

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The Scattering of X-rays at Small Angles and the
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Full translation

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No 1, 1952, pp 71-74.

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Sci -
Chem

7462

Isomerization of Methylcyclopentane Under Pressure
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Konikberg, A. F. Plate, A. E. Gavrilova.

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SLA R-1952

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Scientific - Chemistry

Electron Microscope Study of Coke Formed on Alumina-
Silica Catalysts in the Cracking of Hydrocarbons,
by N. V. Klimanok, A. B. Shokhter.

Translation.

Chem. Abstr., 1960-10 per, Dokl. Ak. Nauk SSSR, Vol. LXXVIII,
pp. 107-110.

Nova Scotia No 223 232

ATS-BJ-1387

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Chemical - Chemistry

Sep 53 CTS

5656

TT-62-28732

Kuz'minskii, A.S. and Lezhnev, N.N.
INFLUENCE MUTUELLE DE LA PHÉNYL-NAPHTHYL-
AMINE, DU SOUFRE ET DES ACCÉLÉRATEURS DE
VULCANISATION SUR L'OXYDATION DU CAOUT-
CHOUC (O Sovmestnom Vliyanií Fenil-B-Naftilamina,
Sery i Uskoritelei Vulkanizatsii na Okislenie
Kauchuka) (Simultaneous Effects of Phenyl-B-Naphthyl-
amine, Sulfur and Vulcanization Accelerators on the
Oxidation of Rubber), 11p. (foreign text included)
5 refs. CNRS-VI 117.
Order from OTS, ETC or CNRS \$1.60 TT-62-28732

Trans. in French of Akademiiya Nauk SSSR, Doklady,
1952, v.83, no.1, p.111-114.

DESCRIPTORS: *Rubber, *Oxidation, Sulfur,
Vulcanization, Antioxidants, Acceleration.

(Materials--Rubber, TT, v. 11, no. 8)

I. Kuz'minskii, A.S.
II. Lezhnev, N.N.
III. CNRS-VI 117
IV. Centre National de la Recher-
che Scientifique, Paris

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Liberation of Hydrogen on an Iron Electrode in Alkali
Solutions at High Pressures, by S. Levina, and A.
Orlov, 2 pp. UNCLASSIFIED

Full translation.

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Sci Mus 1135-4/0348

Navy Tr 630/atl 397

RAE. 444

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Scientific - Chemistry

Jul 52 CTS

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The Influence of Oxidation on the Biological Activity
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Dept of Int
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Sci - Chem

May 59

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Yeremov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIII, No 1,
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Brutcher Tr No 2880

Scientific - Min/Metals

15,018

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4 pp.

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SIA Tr R-1261

Sci

Jun 58

65,858

A Process of Successive Approximations for Finding
Characteristic Values and Characteristic Vectors,
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Sci Trans Center RT-837

Scientific - Mathematics
CTB/DEX

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Molecular Scattering of Light in Liquids, by G. P. Motulevich, I. L. Fabelinskiy, 9 pp.

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CIA/FDD/X-964

Sci

NLL M. 2854

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On the Influence of the Quenching Temperature
Upon the Quantity of Retained Austenite in Steel, by
V. D. Sadovskiy, G. N. ~~ENG~~ Bogacheva,

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Vol LXXXIII, No 2, 1952, pp 221-222

Brutcher Tech Tr No 2865

Scientific - Min/Metals

15,181

Crystal Structure of $\text{MnCl}_2 \cdot 2\text{H}_2\text{O}$, by B. K.
Vaynshtein, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXIII, No 2, 1952, pp 227-230.

Sci Tr Center
RT-4071

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Sci -- Chemistry
Oct 1956 CTS/dex

The Influence of Complex-Formation, Ionization,
and Isomerization of Organic Substances on their
Chemical Activity during Nitration; the Synthesis of
Phenyltrinitro-Methane and its Properties, by
A. I. Titov, V. V. Smirnov, 5 pp UNCLASSIFIED

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No 2, 1952, pp 243-246,

Sci Tr Center
RT-1040

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AEC MP-Tr-539

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Sci - Min/Mat
May 61

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Stoplike Character of Denaturation of the Protein
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7 pp.

Full translation.

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No 2, 1952, pp 257-259.

NLL 01/2853
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Scientific - Chemistry Aug 53 CTS/DEK

4570

Characteristics of Slags Obtained in the Production
of Ferromanganophosphorus in the Blast Furnace, by
L. Zagyanskii

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1952, pp 265-267.

Butcher Order No 3042
Price \$2.65

Scientific - Minerals/Metals Jun 53 CTS

2243

New Method of Pre-Planting Treatment of Kok-Saghyz
Seeds, by G. V. Ozerov, M. A. Ozerova.

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1952, pp 311-314. ~~511 P-11-A~~

USDA Trans 299

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Economic - Agriculture, kok-sagyz (rubber)
Scientific - Biology, kok-sagyz (rubber)

568

The State of Water in Plants, by M. M. Okuntsov, E. N. Tarasova, 3 pp.

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SLA Tr R-1262

Sci

Jun 58

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Linear Statistics and the Normal Law, by Iu. V. Linnik,
5 pp.

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No 3, 1952, pp 353-355.

Sci Tr Center, RT-787

Scientific - Mathematics

10,689

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Navy Tr 813/DnShips 530

Scientific - Engineering

Aug 53 CES

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On the Behavior of Superconducting Films in the
Magnetic Field, by V. L. Ginzburg, 4 pp. UNCLASSIFIED

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1952, pp 385-388. ~~83A 605851~~

Navy Tr 788/NRL 439

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Scientific - Physics

Jul 53 CTS

3850

*CIA 2-12-53 Chap TR 788/30
Sci/Tr Ctr RT 473*

Spectroanalysis of Phosphorus in Steel, by
E. S. Kudelya, A. S. Dem'yanchuk,

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No 3, 1952, pp 397,398.

Butcher Tr 3520
Price: \$1.80

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Scientific - Chemistry, Min/Metals

Jun 55 CTS

(SF-1043)

The Principle of Static Friction, by S. B.
Ratner, 6 pp.

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No 3, 1952, pp 443-446.

JPRS 4064

Sci - Electron

Oct 60

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The Change of Coordination Number on the
Melting of Metals, by O. Ya. Samoglov, 5 pp.

RUSSIAN, per, Dok Ak, Nauk SSSR, Vol LXXXIII, NO 3
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AEC Tr 2318

RT-222

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USSR

Sci - Minerals/Metals

Dependence of absorption of Radiant Energy
by Leaves on Photosynthesis, by L. Bell,
5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXIII, 1952, pp 477-480.

SLA R-1263
SLA 60-15935

May 58

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Chlorophyll Content in Buds of Woody Plants in
Winter and Spring, by T. N. Godnev, M. V.
Terent'eva, 3 pp.

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SLA R-1264

May 58

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The Thermal Inertia of Leaves, by V. G. Karmanov,
4 pp.

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SLA Tr R-1265

Sci

Jun 58

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the Electrostatic Resistance of a Granular Layer
Suspended in a Current, by D. M. Mints, 8 pp.

RUSSIAN, Izv. Dok Ak Nauk SSSR, Vol. LXXIII, No. 4,
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Sci - Phys

Oct 59

SLA 59-2206
OSIR LLU (encl) 1153
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The Application of the Modulation Method to Optical Interferometry, by G. S. Gorelik

RUSSIAN, per, Dok Ak Nauk SSSR, 1952, Vol LXXIII, No 4, pp 549-552.

Doc. 57/1033
D.S.I. R. Tr No T.C.L. 47

Scientific - Chemistry

List No 49, Apr 1953

EROL 74 Delrain
T-1347
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An Investigation of Oscillations Which Are Very Small
Compared with the Wavelength of Light by Means of the
Harmonic Analysis of a Modulated Interference Pattern,
by I. Ya. Brusin et al.

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No 4, pp 553-556.

Sci Rep 6/25/53/1084
D.B.I.R. Tr No T.C.L. 47

Scientific - Chemistry

1080

List No 49, Apr 1953

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of a Galaxy, by G. G. Getmantsev.

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Vol LXXXIII, No 4, 1952, pp 557-560.

Co-op Tr Sc 65

Sci Mus Lib- 55/2769

Scientific - Astronomy

& 1.12s.(4s.Od.).

~~Sci Mus Lib- 55/2769~~

Apr 54 CTS

11,813

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